

## EENS JOB RISK ASSESSMENT

<b>Name(s) of Risk Team Members:</b> J. Peters; N. Gmur, A. Piper, N. Bernholz, R. Gill, P. Carr, S. Stein	<b>Point Value → Parameter ↓</b>	1	2	3	4	5
<b>Job Title: Work in Noise Areas or with Noise Generating Equipment</b>  <b>Job Number or Job Identifier:</b> EENS-JRA-017  <b>JRA Date:</b>	<b>Frequency (B)</b>	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift
<b>Job Description:</b> Work with equipment generating noise or in areas with exposure to high noise levels	<b>Severity (C)</b>	First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability
<b>Training Procedures List (Optional):</b> Noise & Hearing Conservation	<b>Likelihood (D)</b>	Very Unlikely	Unlikely	Possible	Probable	Multiple
<b>Approved by:</b> R. Selvey <b>Date:</b> 02/22/05 <b>Rev. #:</b> Draft						
<b>Stressors (if applicable, please list all)</b> (1) Hearing Protectors not worn correctly – 50% NRR reduction rule) (2) Workers with STS working in areas above 85 dBA (3) Weather – work outdoors		<b>Reason for Revision (if applicable):</b>			<b>Comments:</b>	

			Before Additional Controls						After Additional Controls							
Activity	Hazard	Control(s)	Stressor	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction
Working with noise generating <u>portable</u> tools (e.g. Chain saw, jackhammer, concrete saw, leaf blower, etc.)	high noise exposure above 85 dBA; loss of concentration; decrease awareness of warnings of safety hazards	Engineering evaluation, labeling on equipment; Hearing Protective Devices (muffs, canal caps, ear plugs); Administrative control of exposure time; N&HC Training and Medical Surveillance; personal & area monitoring	N	1		4	2									

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Work with <u>stationary</u> noise generating equipment (eg. Band saw, bench grinder, etc.)	high noise exposure above 85 dBA; loss of concentration; decrease awareness of warnings of safety hazards	Operator location away from noise source; engineering evaluation, Posting on equipment and/or general area; Hearing Protective Devices (muffs, canal caps, ear plugs); Administrative control of exposure time; N&HC Training and Medical Surveillance; personal & area monitoring;	N	1		4	2									
Work with large noise generating equipment (eg. Pumps, generators, street sweepers, HEMO, etc.)	high noise exposure above 85 dBA; loss of concentration; decrease awareness of warnings of safety hazards	Engineering evaluation, Posting/ labeling on equipment and/or area; Hearing Protective Devices (muffs, canal caps, ear plugs); Administrative control of exposure time; N&HC Training and Medical Surveillance; personal & area monitoring;	N	1		4	2									
Working in high noise areas	high noise exposure above 85 dBA; loss of concentration; decrease awareness of warnings of safety hazards	Engineering evaluation, Posting on equipment and/or general area; Hearing Protective Devices (muffs, canal caps, ear plugs); Administrative control of exposure time; N&HC Training and Medical Surveillance; personal & area monitoring;	N			4	2		If needed Double HPD's; engineering evaluations for reducing noise generation or shielding worker	N			4	2		
Impact noise sources (eg. Geoprobe, raptor project, well drills)	Potential high noise exposure above 140 dBA; loss of concentration; decrease awareness of warnings of safety hazards	Engineering evaluation, Posting on equipment and/or general area; Hearing Protective Devices (muffs, canal caps, ear plugs); Administrative control of exposure time; N&HC Training and Medical Surveillance; personal & area monitoring;	N	1		4	2									

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Firearm & grenade practice	Potential high noise exposure above 140 dBA; loss of concentration; decrease awareness of warnings of safety hazards	Posting on equipment and/or general area; Administrative control of exposure time; N&HC Training and Medical Surveillance; personal & area monitoring;	Y	1	2	5	5	50	Hearing Protector (muffs or ear plugs)	Y	1	2	5	3	30	60%
Further Description of Controls Added to Reduce Risk:																
*Risk:	0 to 20	21 to 40	41-60					61 to 80		81 or greater						
	Negligible	Acceptable	Moderate					Substantial		Intolerable						